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Freeform Search

Database: US Patents Full-Text Database; US Pre-Grant Publication Full-Text Database; JPO Abstracts Database; EPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Term: L7 with l4

Display: 10 **Documents in Display Format:** - **Starting with Number** 1

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Search History

DATE: Monday, July 14, 2003 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ			
L8	L7 with l4	16	L8
L7	L6 or l5	808928	L7
L6	complex or complexed	780175	L6
L5	lactone	41583	L5
L4	L3 with l2	113	L4
L3	oligonucleotide or nucleic acid or oligo	134596	L3
L2	camptothecin	2268	L2
L1	camptothecin with (oligoncleotide)	0	L1

END OF SEARCH HISTORY

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End of Result Set

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L8: Entry 16 of 16 File: DWPI Apr 20, 2000

DERWENT-ACC-NO: 2000-329047
DERWENT-WEEK: 200028

TITLE: New chemotherapeutic compositions comprising an oligonucleotide-camptothec- in drug complex, useful for treating cancers in a combination therapy

Basic Abstract Text (1):
NOVELTY - A chemotherapeutic composition comprising an oligonucleotide-camptothecin (ON-CT) drug complex, which incorporates active lactone CT drug, where the CT drug dissociates from the ON within the body, and exerts its therapeutic activities, is new.

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L8: Entry 8 of 16 File: USPT Jul 28, 1998

DOCUMENT-IDENTIFIER: US 5786344 A
** See image for Certificate of Correction **
TITLE: Camptothecin drug combinations and methods with reduced side effects

Detailed Description Text (3):
In normal cells, topoisomerase 1 produces relaxation of the supercoiled DNA by binding to a single strand of the nucleic acid to form a "cleavable complex" ('Arpa & Liu, 1989). Formation of the complex is followed by a break in the DNA strand thereby promoting passage of the unbroken strand. The break is then resealed by topoisomerase. Camptothecins block this resealing step by forming a ternary complex with the DNA and topoisomerase 1 resulting in an accumulation of cleavable complexes and inhibition of nucleic acid synthesis.

L8: Entry 9 of 16 File: USPT Oct 29, 1991

DOCUMENT-IDENTIFIER: US 5061800 A
TITLE: Camptothecin derivatives

Brief Summary Text (5):
Camptothecin represented by the following structural formula: ##STR2## is an alkaloid extracted and isolated from Camptotheca accuminata (Nyssaceae), etc., which has a pentacyclic structure consisting of a characteristic fused 5-ring system consisting of quinoline (rings A and B), pyrroline (ring C), .alpha.-pyridone (ring D) and a six-membered lactone (ring E) and is distinguished by displaying a strong inhibitory activity toward biosynthesis of nucleic acid. In addition, camptothecin is a unique anti-tumor substance characterized by its rapid and reversible action, its lack of any cross-tolerance with the existing anti-tumor agents and by exhibiting a strong anti-tumor activity against experimentally transplanted carcinoma such as leukemia L-1210 in mice or Walker 256 tumor in rats. Although camptothecin is still regarded as one of the most potent substances possessing anti-tumor activity, the use of this compound itself for clinical treatments is significantly limited because of high toxicity. Moreover, camptothecin and the majority of derivatives thereof involve a problem of poor solubility in case of administration as medicaments.

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L8: Entry 12 of 16 File: USPT Oct 8, 1985

DOCUMENT-IDENTIFIER: US 4545880 A
TITLE: Photochemical process for preparing camptothecin derivatives

Brief Summary Text (5):
Camptothecin is a cytotoxic alkaloid isolated from leaves and barks of Camptotheca accuminata (Nyssaceae), a plant native to China, which has a pentacyclic structure consisting of a characteristic fused 5-ring system of quinoline (rings A and B), pyrroline (ring C), .alpha.-pyridone (ring D) and a six-membered lactone (ring E) and is distinguished by displaying a strong inhibitory activity toward biosynthesis of nucleic acid. In addition, camptothecin is a unique anti-tumor substance characterized by its rapid and reversible action and its lack of any cross-tolerance with the existing anti-tumor agents and by exhibiting a strong anti-tumor activity against experimentally transplanted carcinoma such as leukemia L-1210 in mice or Walker 256 tumor in rats. Although camptothecin is still regarded as one of the most potent substances possessing anti-tumor activity, the use of this compound itself for clinical treatments is significantly limited because of high toxicity.